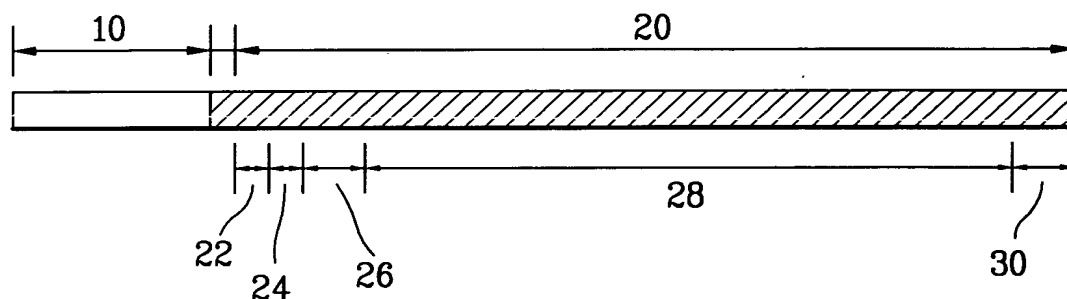
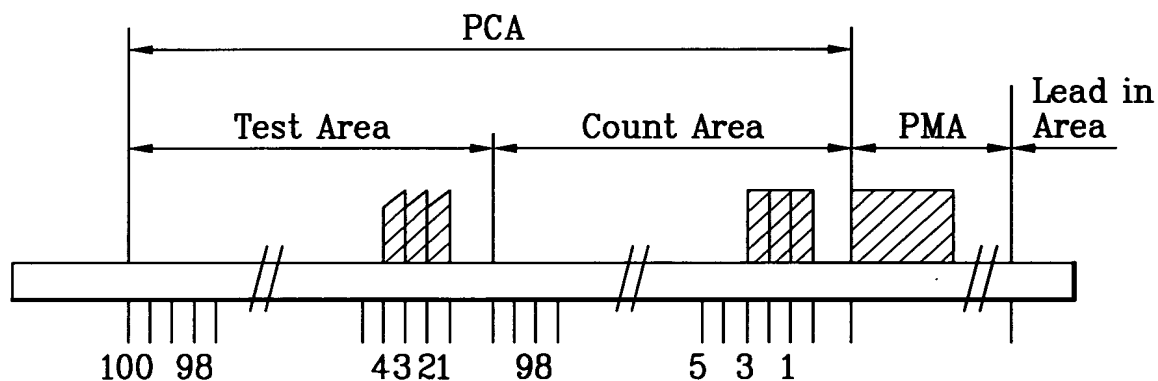


**FIG. 1A**  
**Background Art**



**FIG. 1B**  
**Background Art**



**FIG. 1C**  
**Background Art**

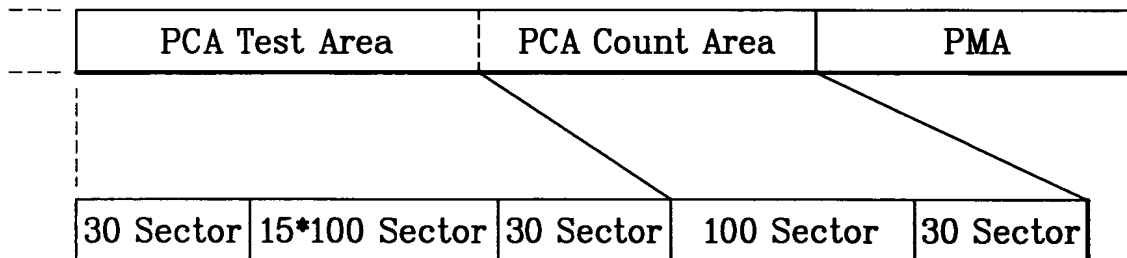
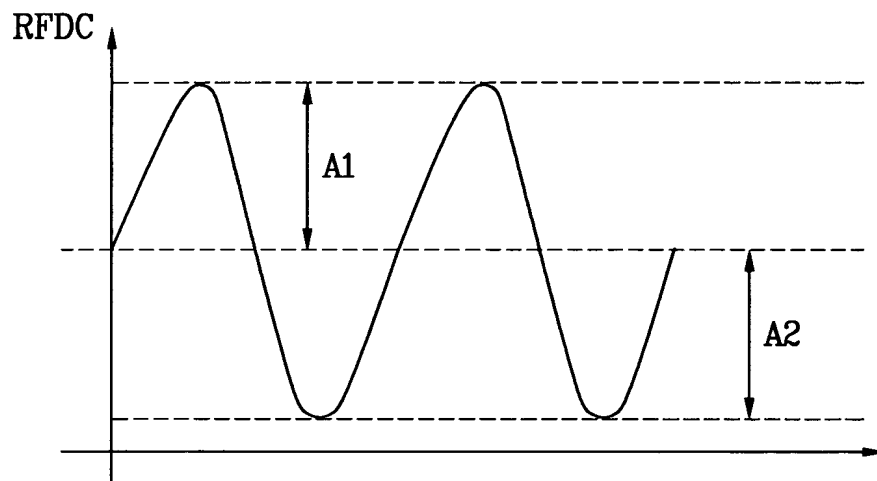
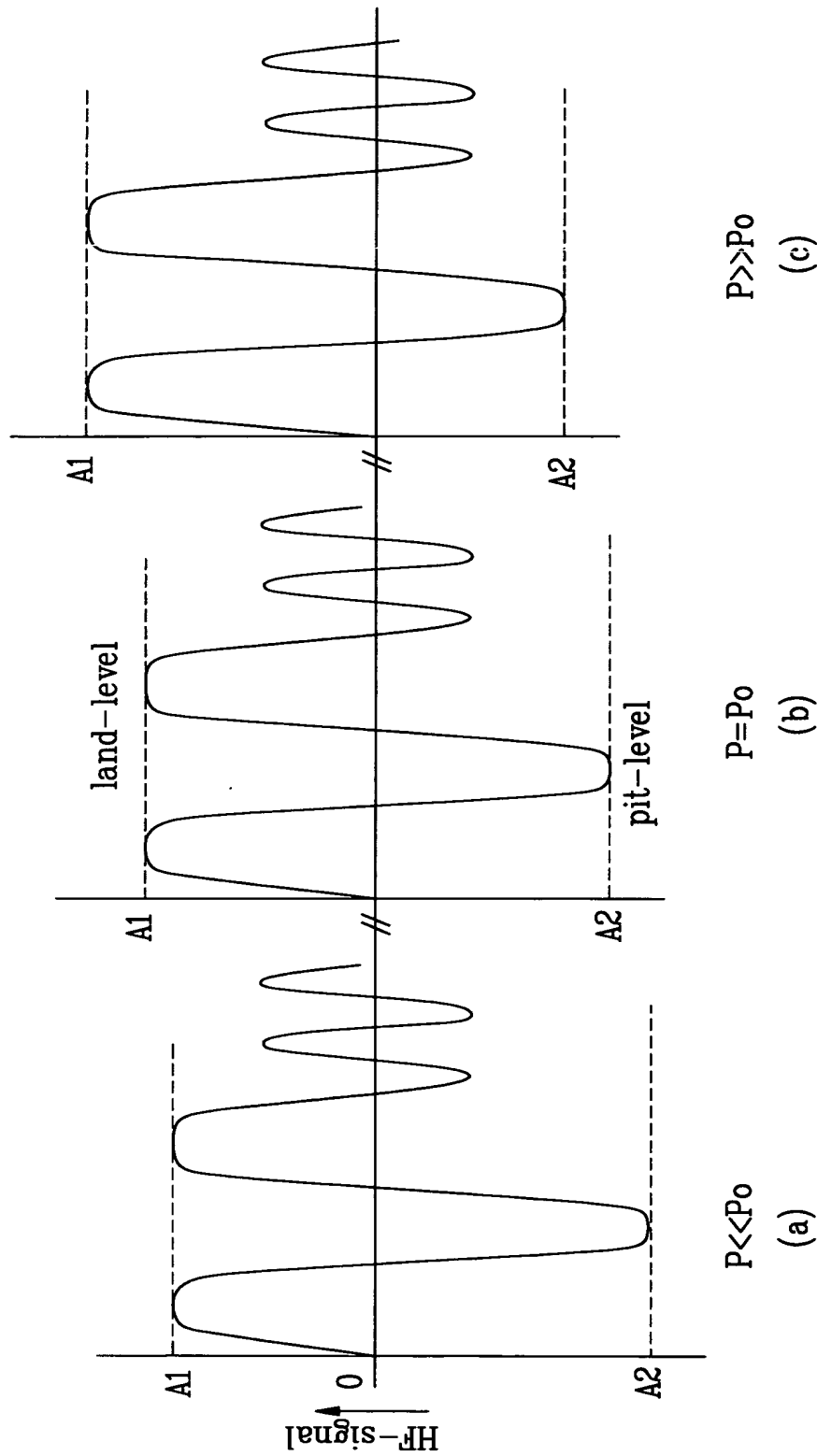


FIG. 2  
Background Art

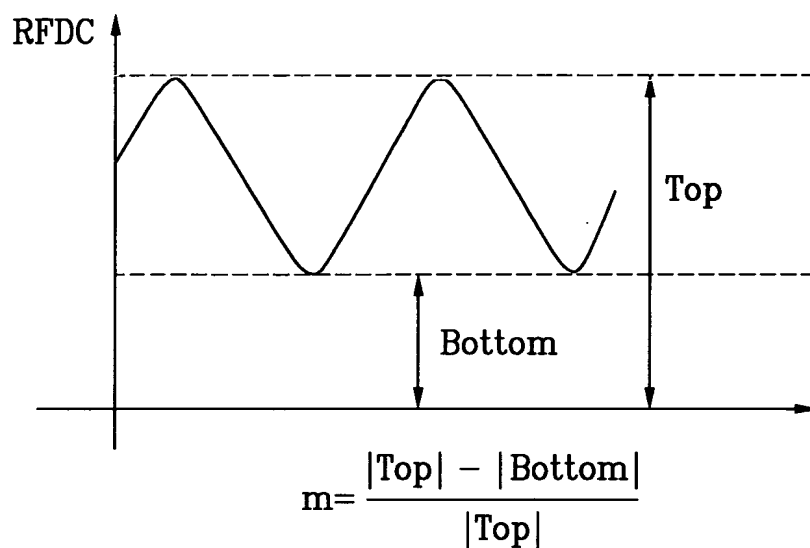


$$\beta = \frac{|A_1| - |A_2|}{|A_1| + |A_2|}$$

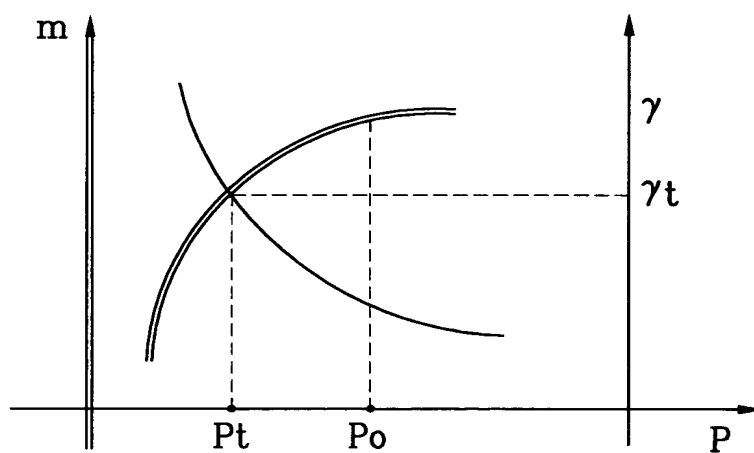
FIG. 3  
Background Art



**FIG. 4**  
**Background Art**



**FIG. 5**  
**Background Art**



$$\gamma = \frac{dm}{dP} \frac{P}{m}$$

$P_o = P_t * \rho$ : Optimum Recording Power

FIG. 6A  
Background Art

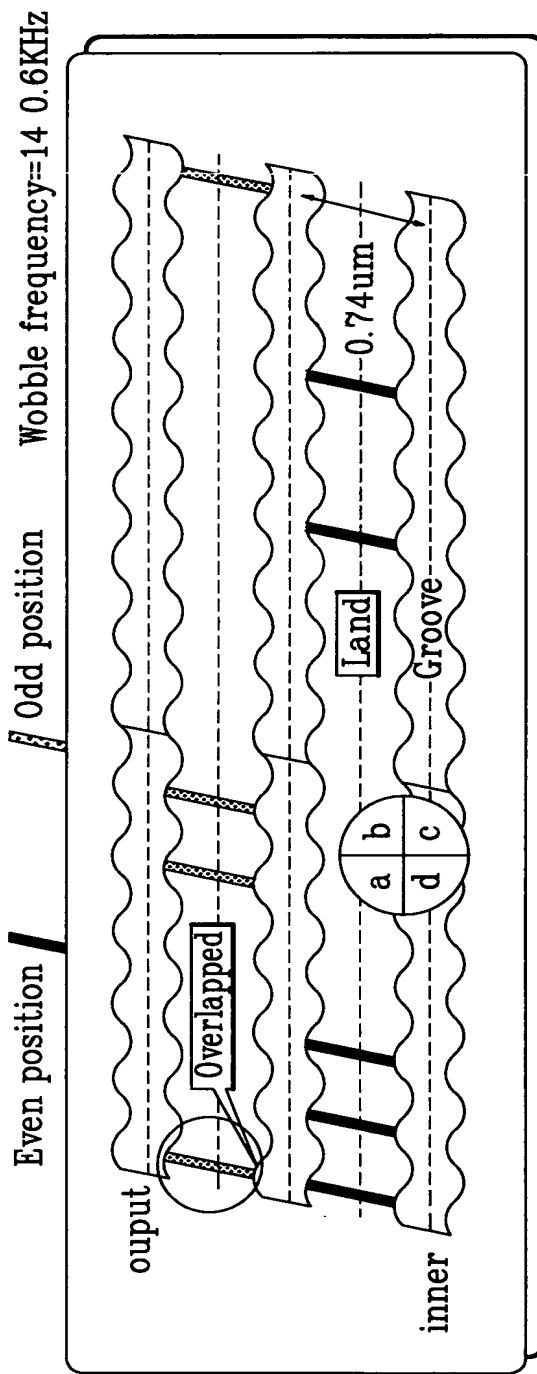


FIG. 6B  
Background Art

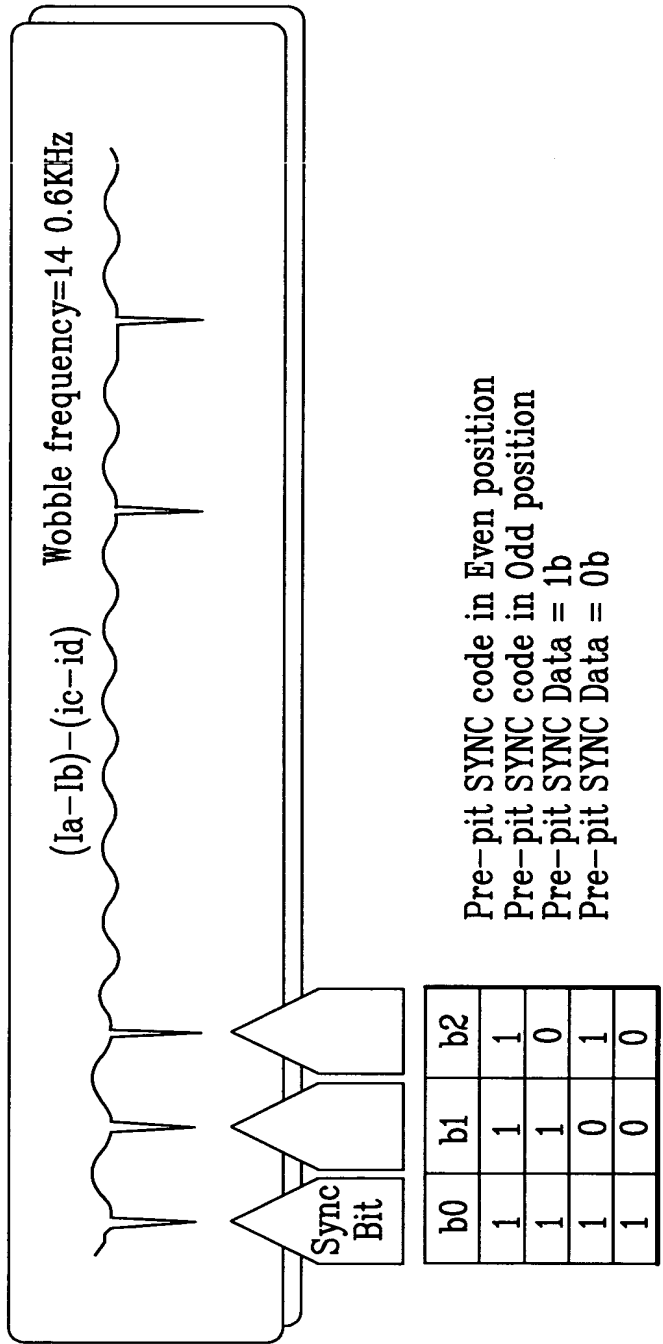
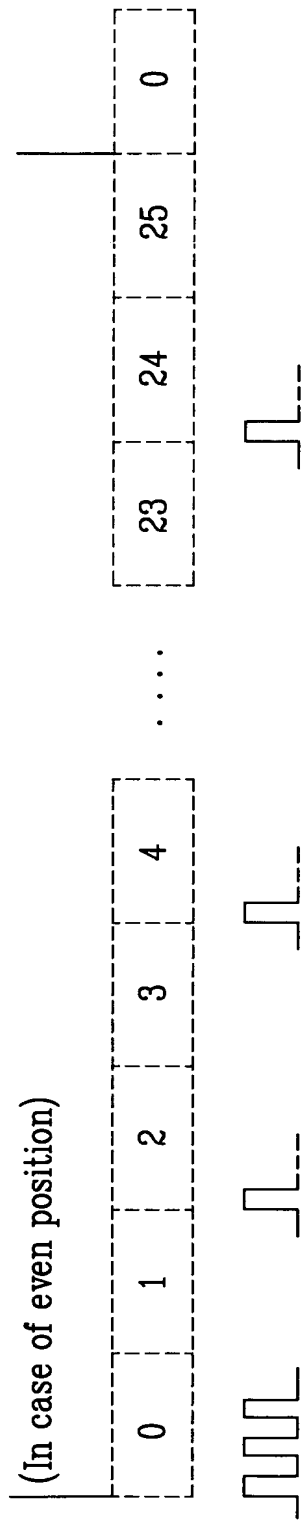


FIG. 7A  
Background Art



**FIG. 7B**  
**Background Art**

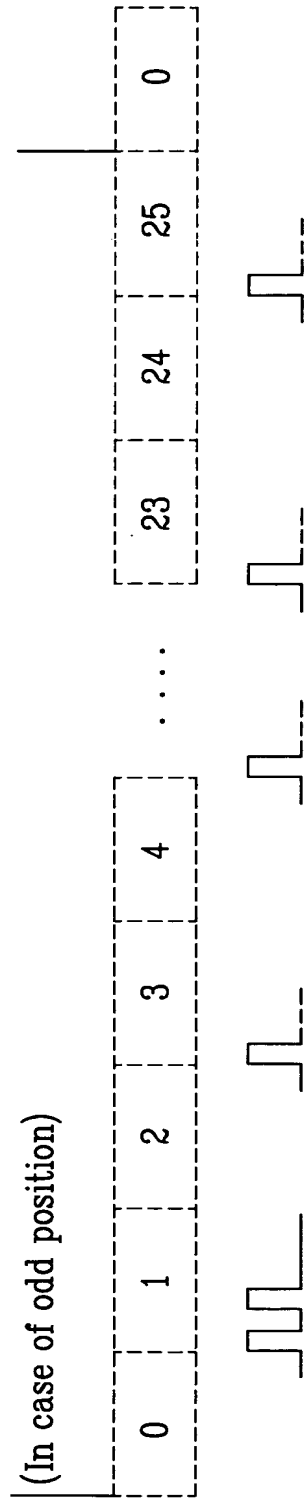






FIG. 9

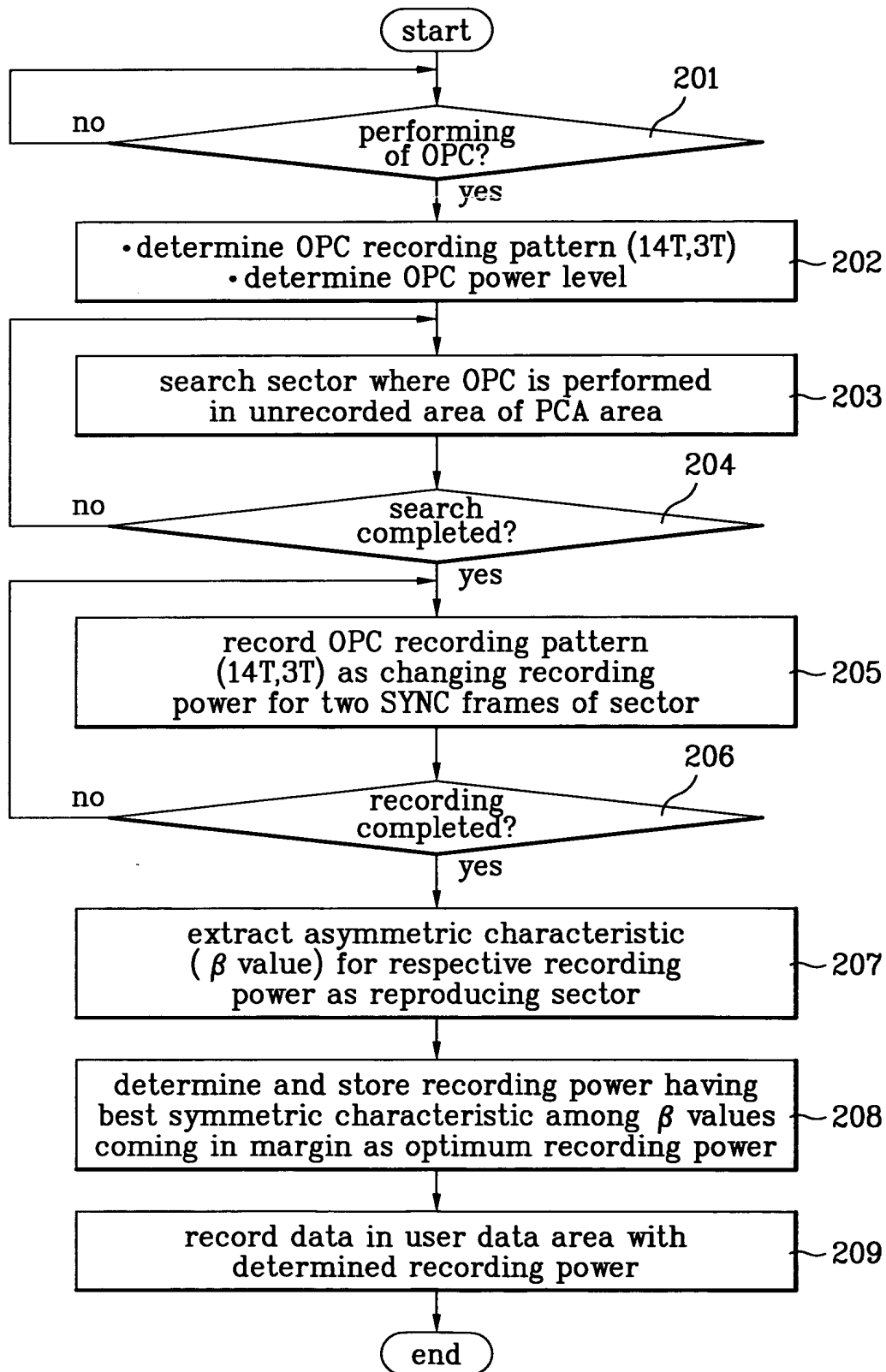
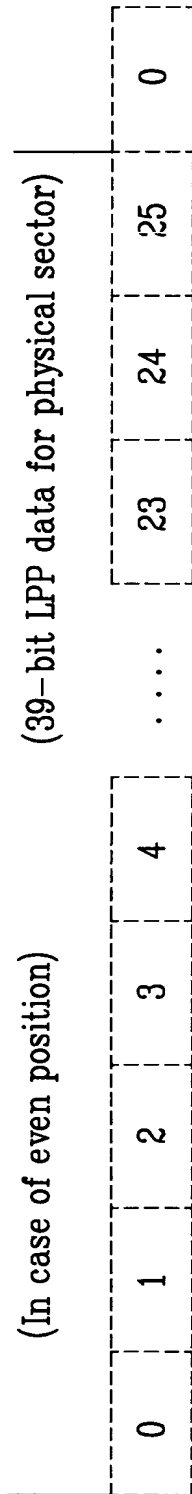


FIG. 10A



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FIG. 10B

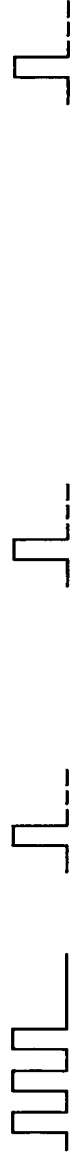


FIG. 10C

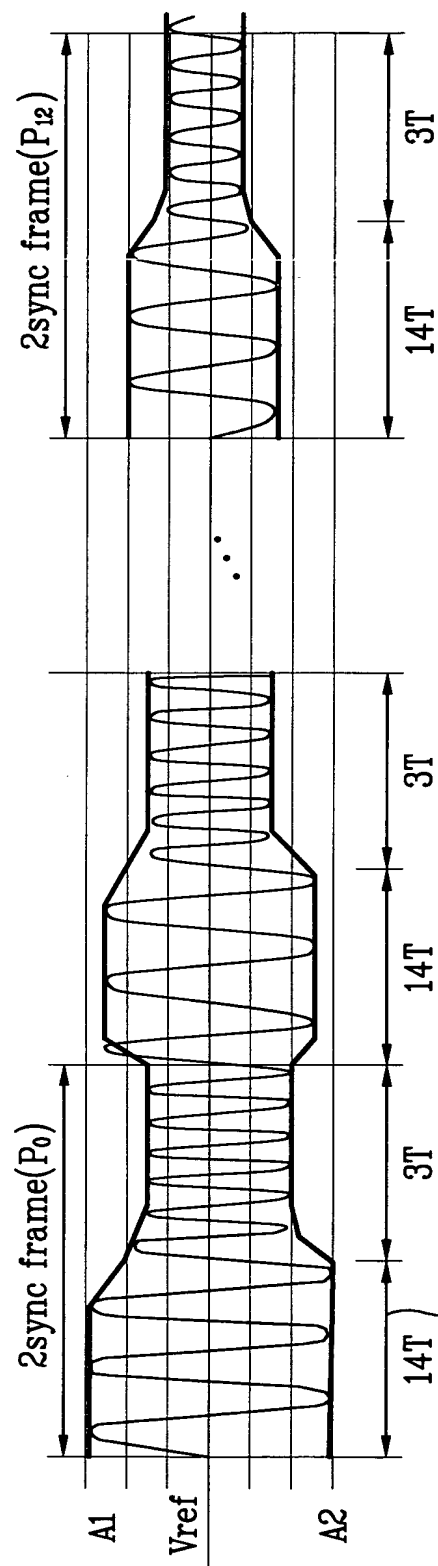
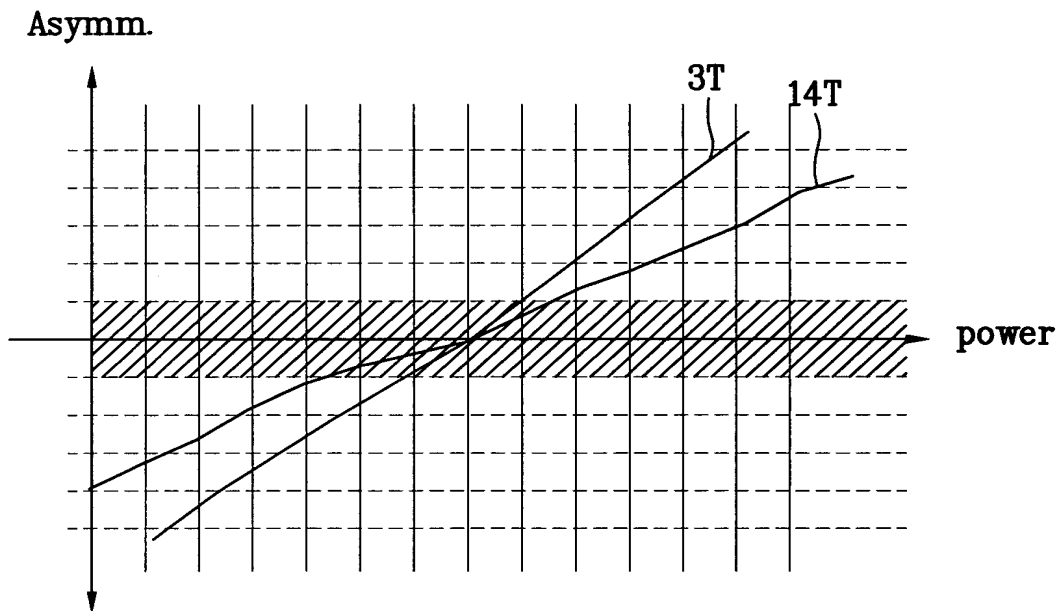


FIG. 10D



$$\text{Beta} = \frac{(A1 - V_{\text{ref}}) - (V_{\text{ref}} - A2)}{(A1 - A2)}$$

$$= \frac{(A1 + A2 - 2V_{\text{ref}})}{(A1 - A2)}$$

FIG. 11

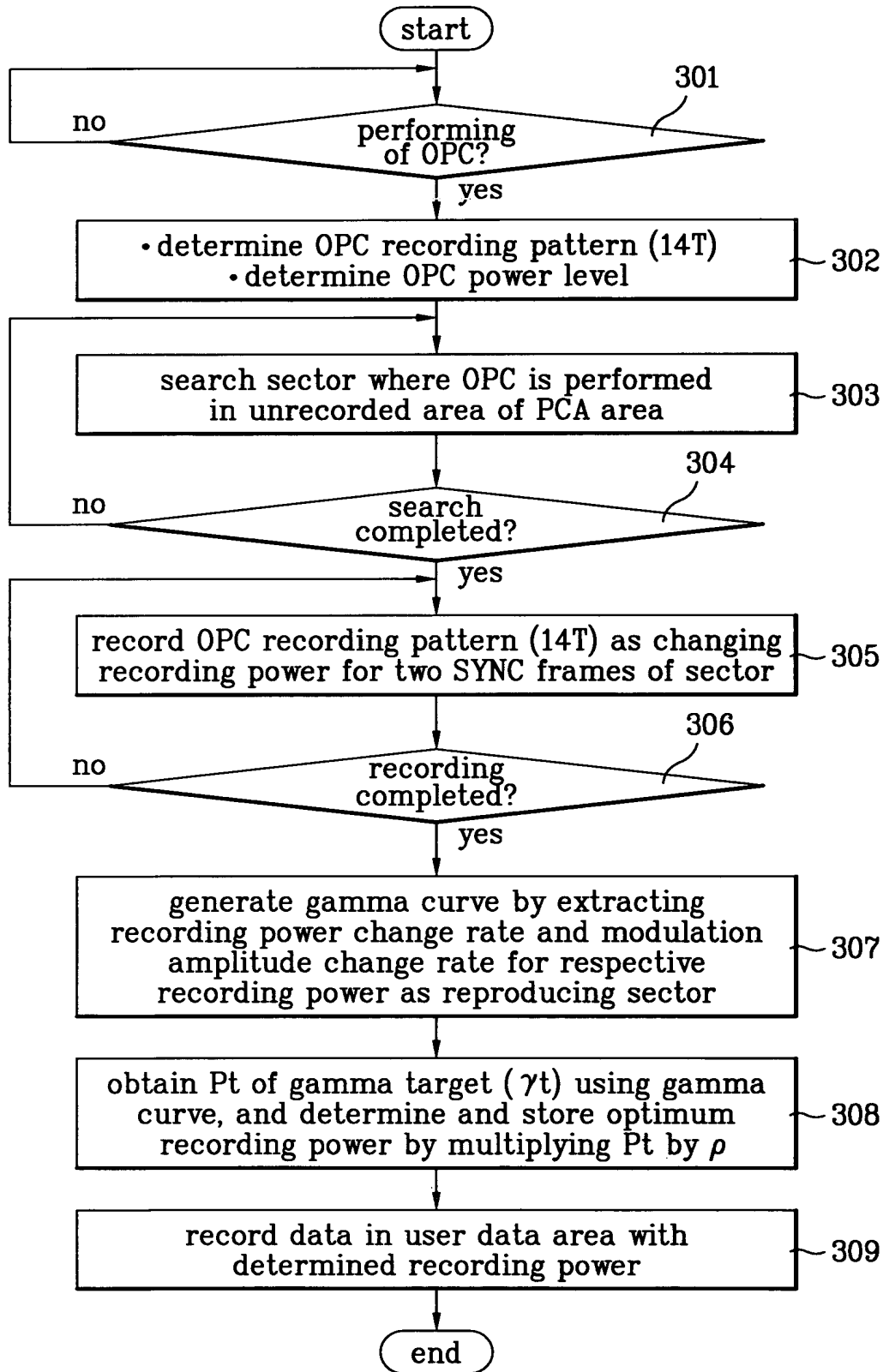
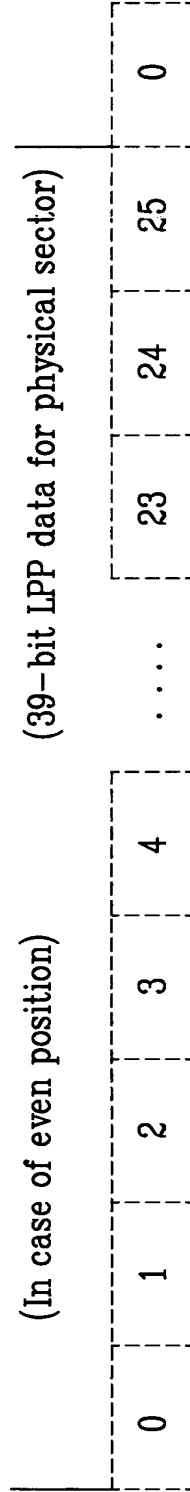


FIG. 12A



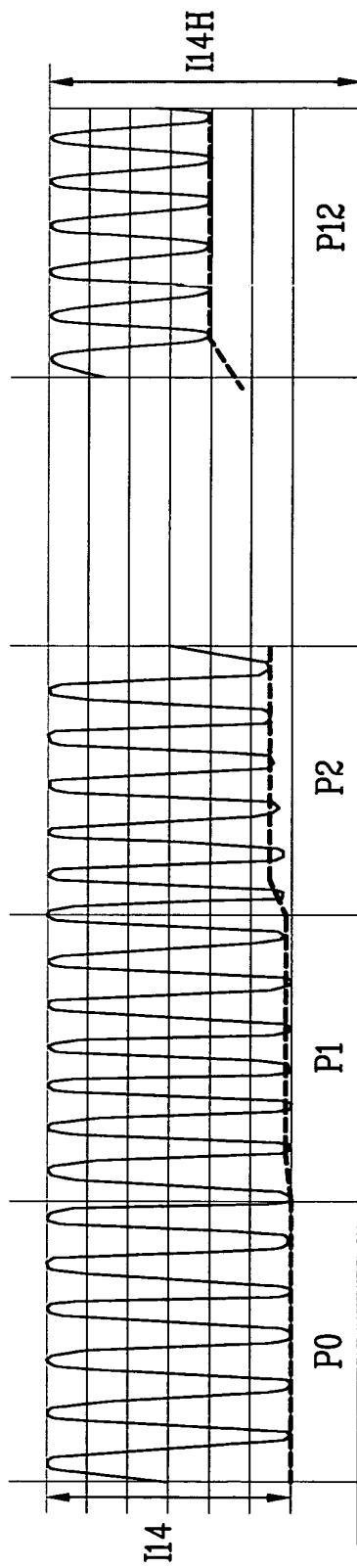


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FIG. 12B



FIG. 12C



$$m = \frac{I14}{I14H}$$

FIG. 12D

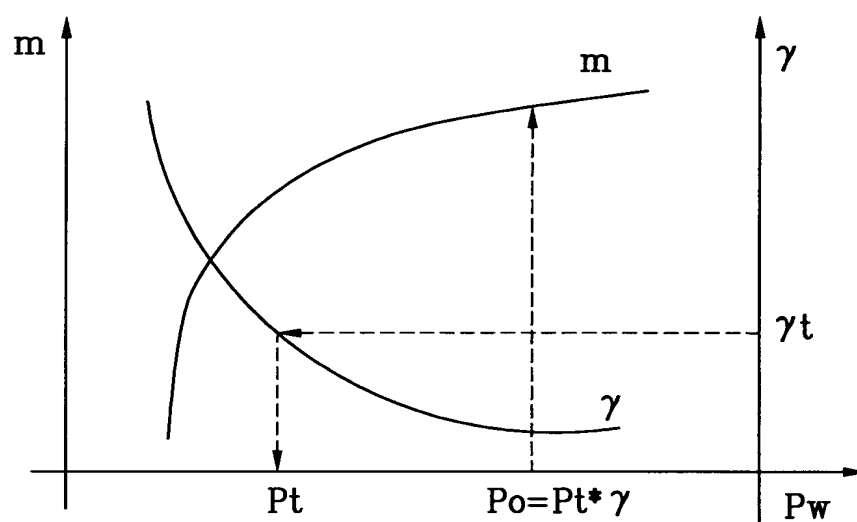


FIG. 13

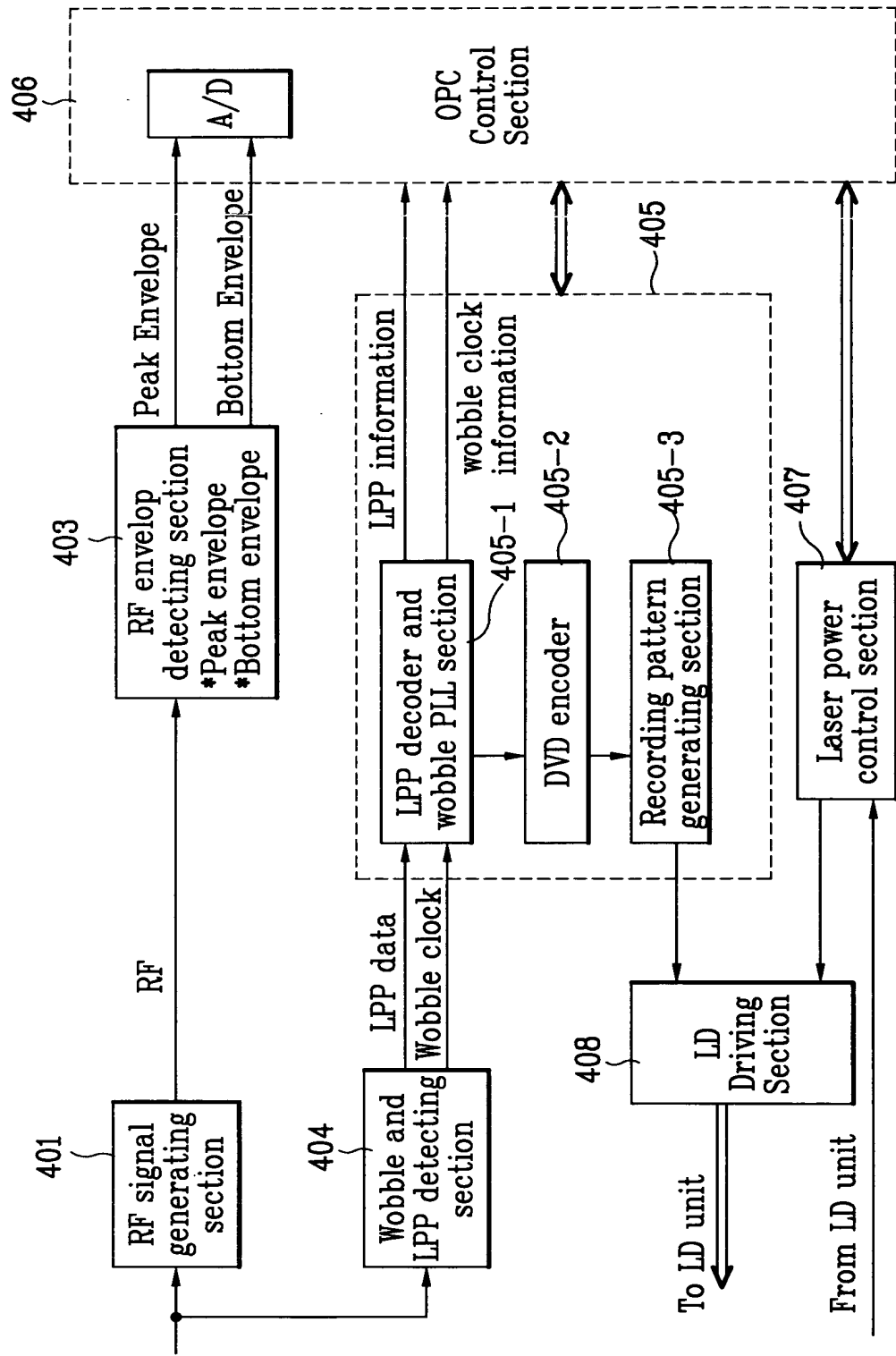


FIG. 14

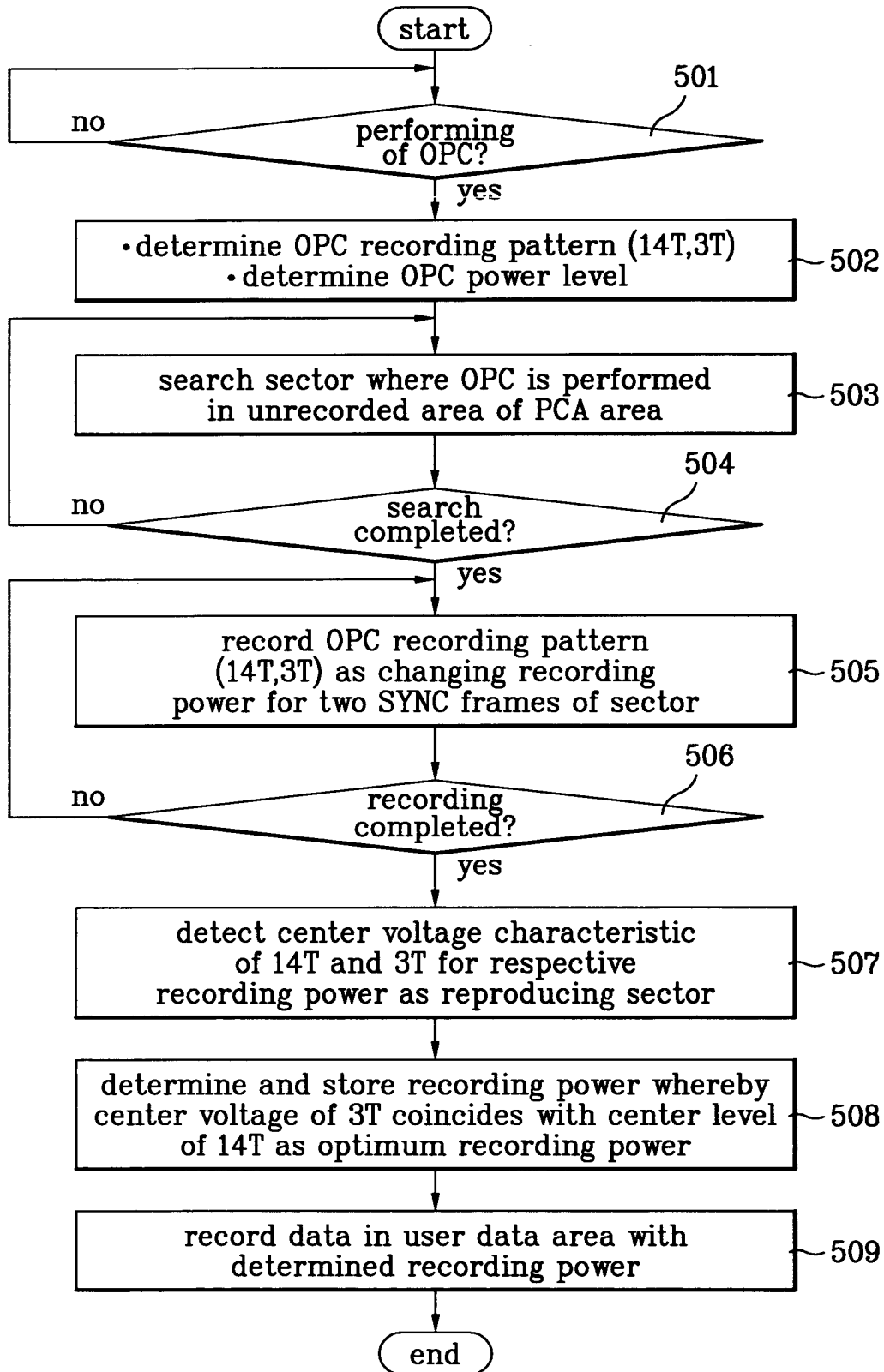
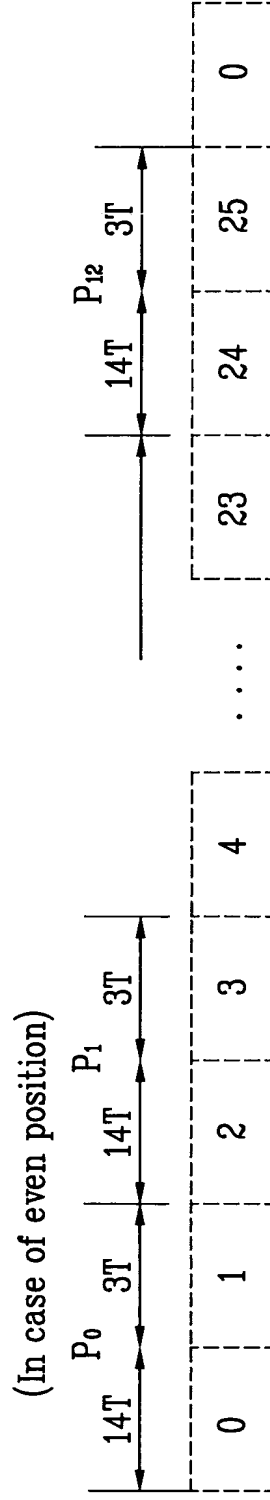


FIG. 15A



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FIG. 15B



FIG. 15C

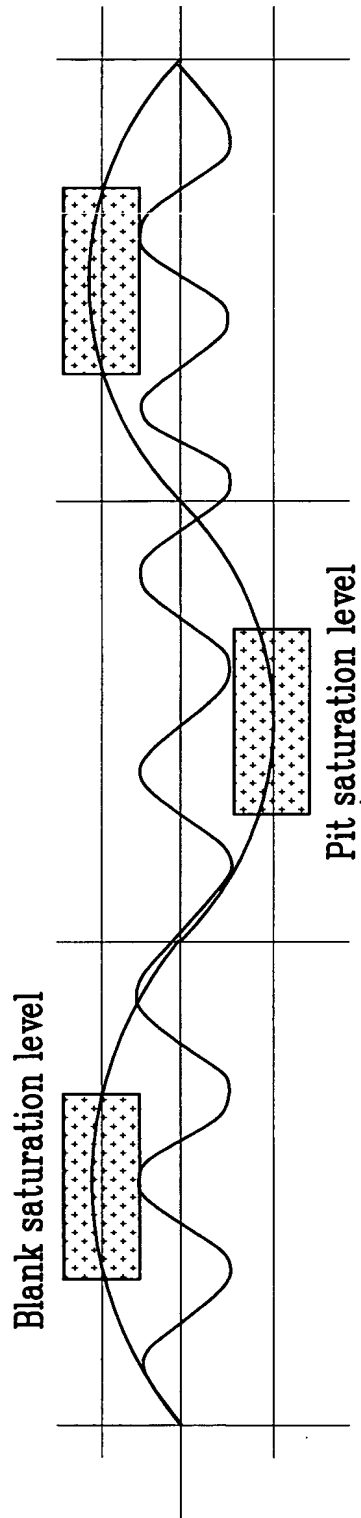




FIG. 15D

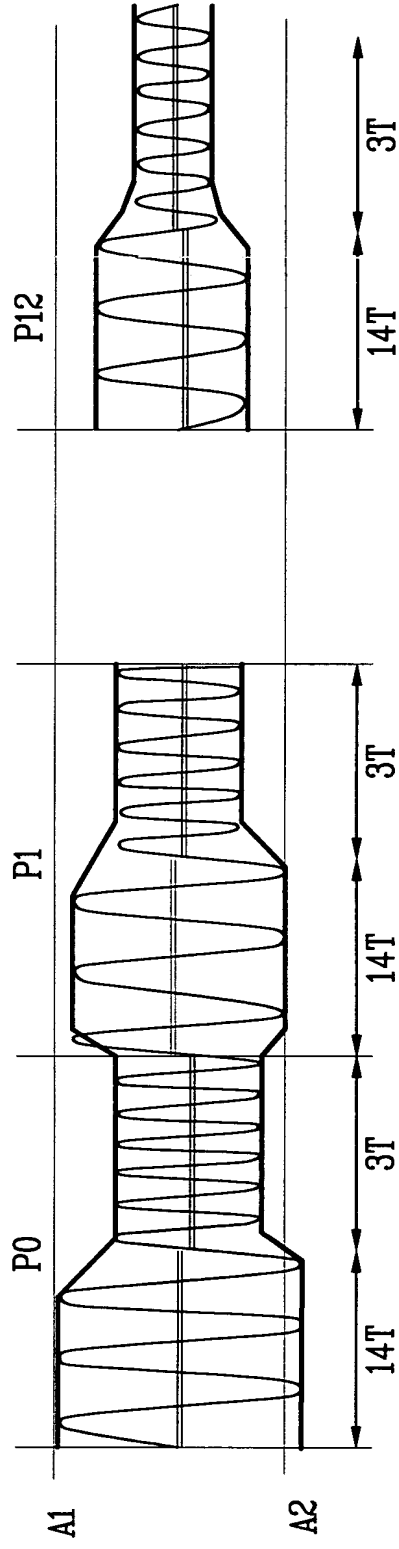


FIG. 15E

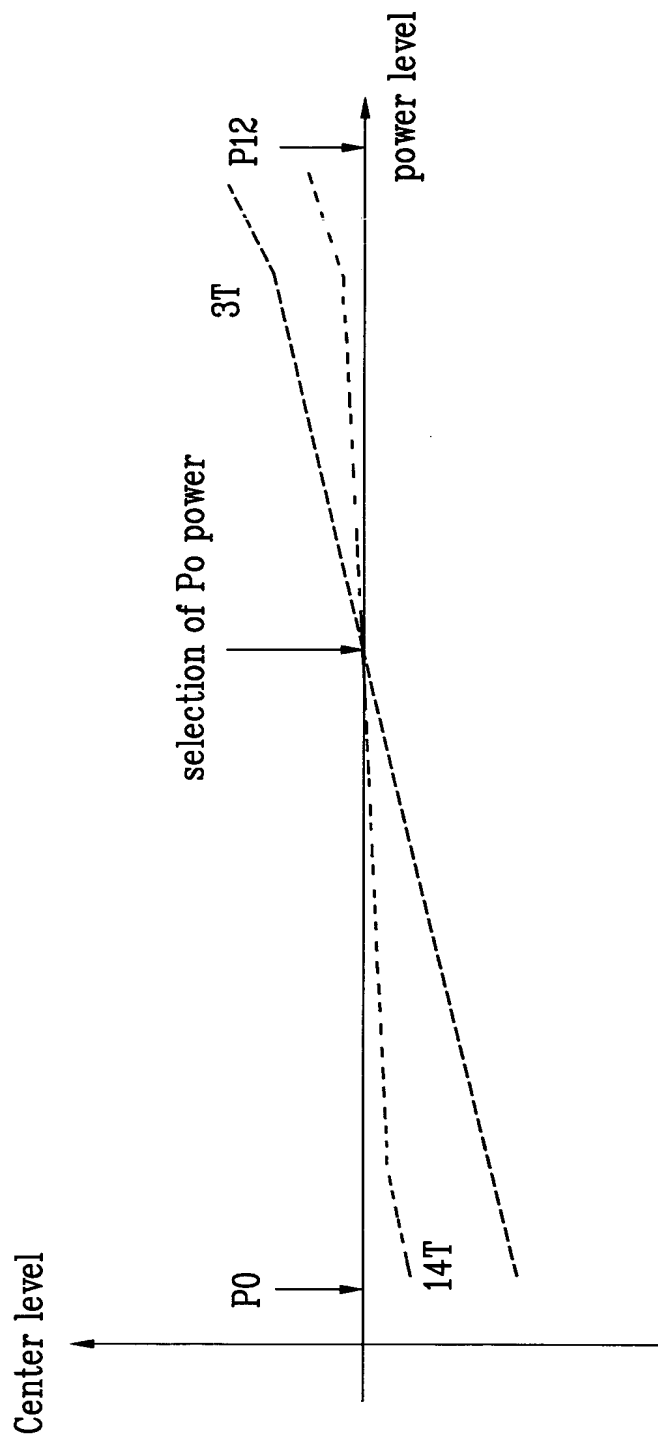


FIG. 16

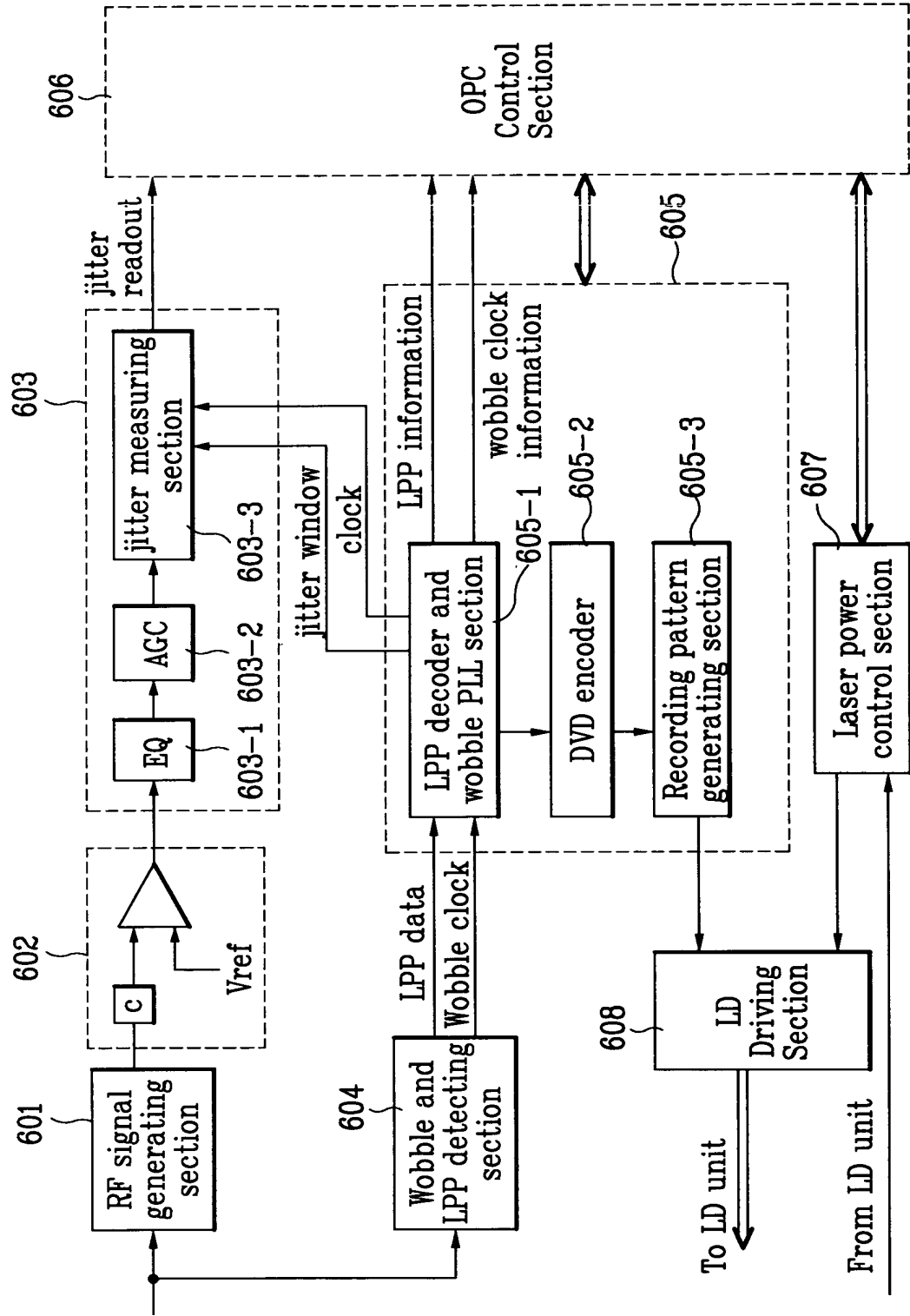
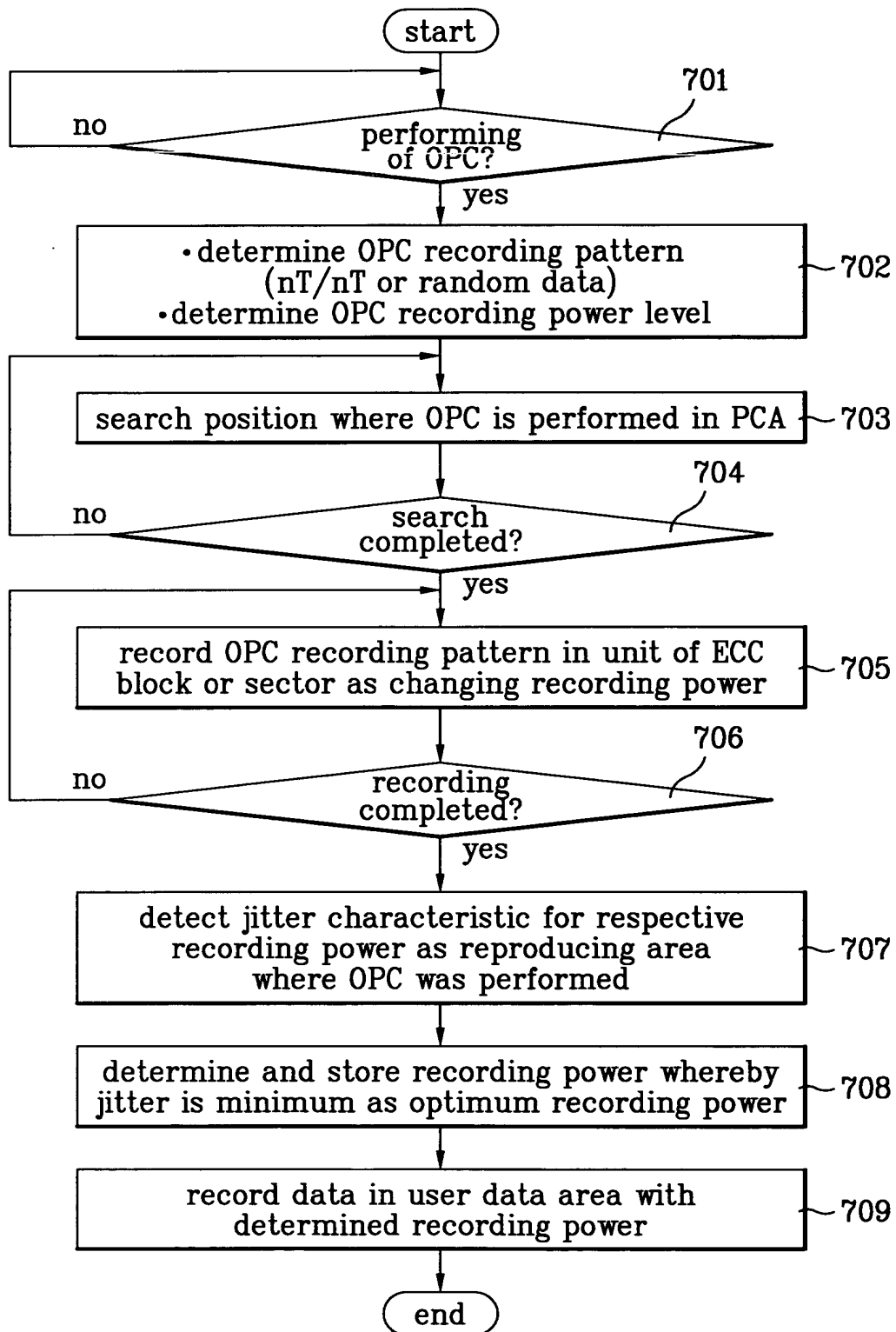
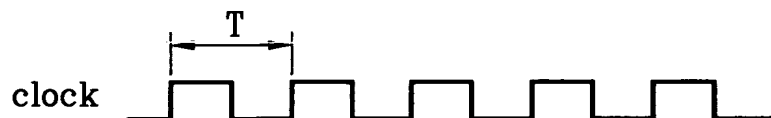


FIG. 17



**FIG. 18A**



**FIG. 18B**

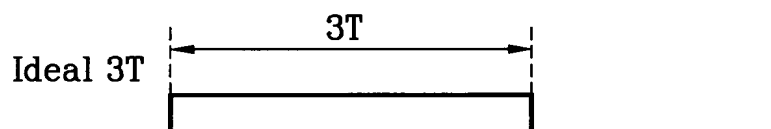
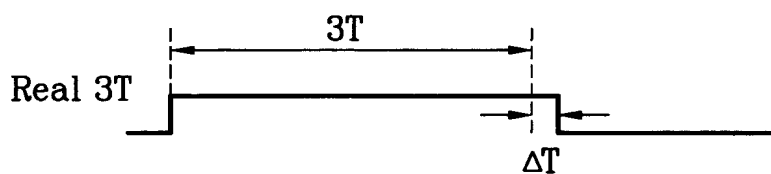


FIG. 18C



$$\sigma = \frac{\sqrt{\sum (3T - (3T + \Delta T))^2}}{N} \quad \text{Jitter}(\%) = \frac{\sigma}{T} \times 100$$

FIG. 19A

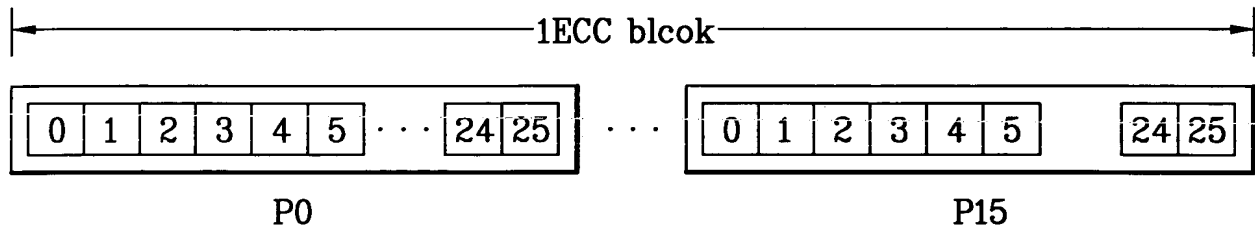


FIG. 19B

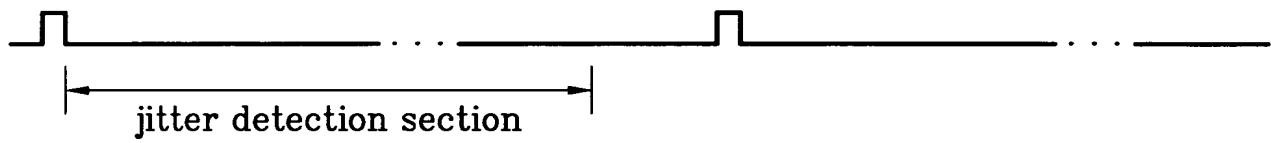


FIG. 19C

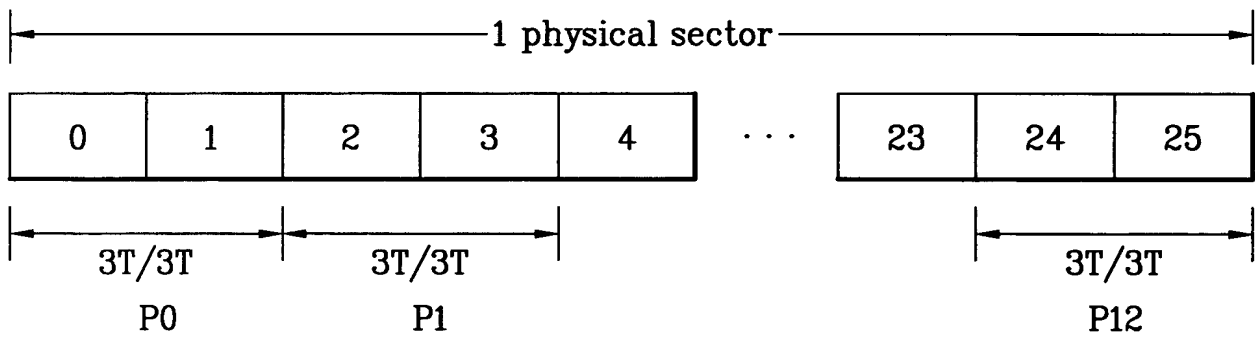


FIG. 19D

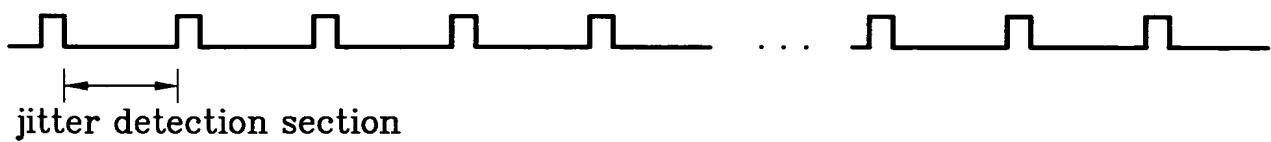


FIG. 20A

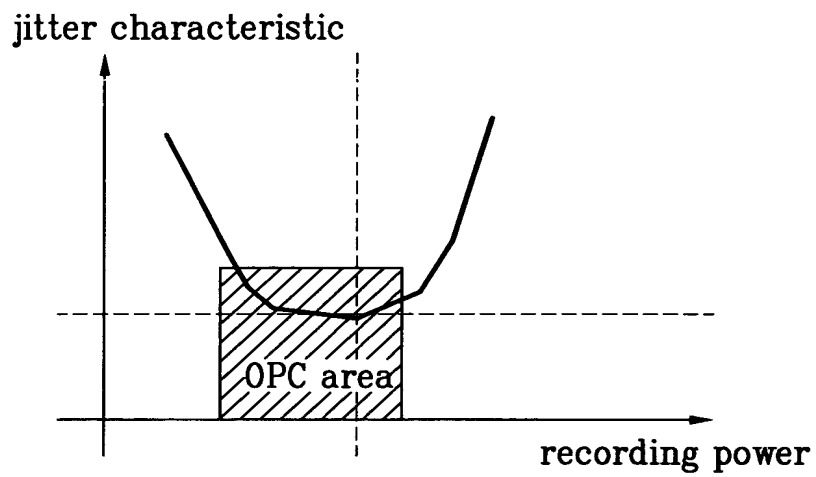


FIG. 20B

